

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) Publication number:

0 340 358
A1

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: 88304969.4

(51) Int. Cl. 4: G09F 23/06 , B62B 3/10

(22) Date of filing: 01.06.88

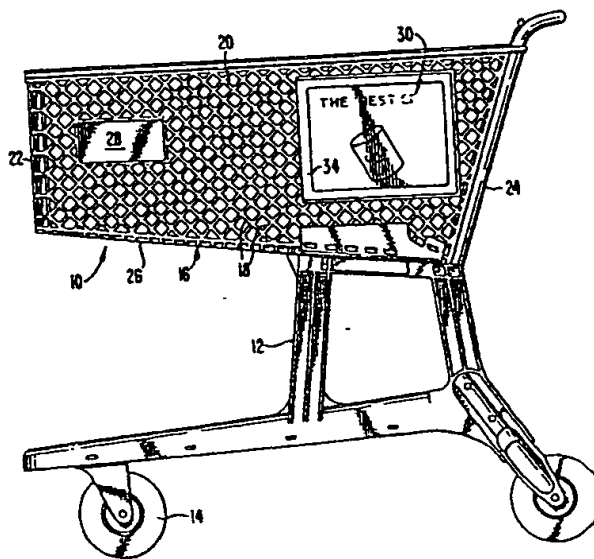
(30) Priority: 04.05.88 US 190065

(43) Date of publication of application:
08.11.89 Bulletin 89/45(64) Designated Contracting States:
AT BE CH DE ES FR GB LI NL(71) Applicant: REHRIG INTERNATIONAL, INC.
90 Lombardy Street
Richmond Virginia 23220(US)(72) Inventor: Rehrig, Houston
600 Orange Grove Circle
Pasadena California 91105(US)(74) Representative: JENSEN & SON
8 Fulwood Place High Holborn
London WC1V 6HG(GB)

(54) Cart with advertising panels.

(57) The present invention is directed to improved advertising panels for retrofitting on front walls of existing shopping cart baskets. The present invention also discloses molded-in advertising panels which may be integrally formed with any of the walls of a plastic shopping cart basket. The retrofitted advertising panel includes a plate element and a separate frame element. The frame element fits on the plate element and is held in place with a tab and slot arrangement. The molded-in advertising panel includes a plate portion, molded with and recessed from the outer surface of the walls of the plastic basket, and a frame element. The frame element for the molded-in panel is preferably identical to that for the retrofitted panel and is also retained in position using tabs and slots.

FIG. 1



EP 0 340 358 A1

CART WITH ADVERTISING PANELS

TECHNICAL FIELD

The present invention relates to carts used for supermarkets and other retail stores. More particularly, the present invention is directed to carts having advertising panels either retrofitted thereon or molded therein.

BACKGROUND OF THE INVENTION

Carts having a frame and a basket used in supermarkets are commonplace. The shopping cart has a metal cart frame on which wheels are mounted. A basket is mounted on the cart frame and includes two side walls, a front wall, a back wall, and a bottom portion. The basket may be made from wires welded together to form a gridlike construction. Alternately, the basket may be molded from plastic. The carts may be formed in various configurations including the standard configuration (see U.S. Patent No. 3,999,774), jumbo or minicarts, over-the-counter carts (see U.S. Patent No. 4,273,346), and scanner carts (see U.S. Patent No. 4,650,199). These patents are all directed to carts having plastic baskets. Regardless of the type of cart and whether the basket is made from plastic or wire, the basket is formed almost entirely of an open latticework construction.

The practice of fastening framed advertising panels to shopping carts is becoming widespread. Advertising panels are typically fastened to the outside and inside of the front wall of the shopping cart basket. These panels are used with either wire or plastic baskets. It has been shown that advertisements placed on panels on shopping carts are as much as ten times more effective than television advertising. The advertising panels eliminate the need for third party advertising services and increase the in-store advertising revenue. The advertising panels also allow easy handling of the advertisement. With existing carts, only retrofitted framed advertising panels may be disposed on the carts. Also, panels may be disposed only on the front walls of the cart baskets because panels disposed on the side walls would prevent nesting of carts and would be damaged when attempting to nest carts together.

One known method of retrofitting advertising panels onto shopping cart baskets is produced by Actmedia Inc. In the Actmedia apparatus two separate advertising panels are mounted on either side of the front wall of the basket. The panels are attached to each other through the latticework of the front basket wall placing screws through holes

in both advertising panels. Each advertising panel is formed of one piece of plastic and includes two elements: a plate and a frame. The plate is rectangular and serves as the backing for the advertisement. The frame is also rectangular and is hingedly formed on the plate. The frame has tabs disposed on its top and side members which fit behind ridges disposed on the top and side peripheral walls of the plate. When the frame is snapped into the plate, the front surfaces of the frame are substantially flush with the protruding edges of the peripheral top, right, and left walls of the plate.

However, this apparatus has many disadvantages. First, the frame must be hinged away from the plate to insert and remove advertisements. Additionally, the plastic hinges connecting the frame to the plate often deteriorate and break within a short time. This requires the replacement of the entire advertising panel. Because the frames are integrally formed as one piece with the plates, when the hinge or other components break, the entire panel must be replaced. Moreover, these advertising panels are formed with solid plates by injection molding plastic. As the plates cool, the plastic shrinks, causing the plate to warp. This occurs because the inner portion of the plate cools at a slower rate than the outer portion. Because high density polyethylene shrinks at least 0.20" per inch during cooling, a typical advertising panel would be 3/16 inch smaller after cooling. Slower cooling causes greater shrinkage. However, more rapid cooling on one side of the panel than on the other side causes stresses which further result in an inwardly concaving surface. The advertisement is less securely held within the panel when abutting a curved surface rather than a flat surface. This also detracts from the effectiveness of the advertisement as the concavity causes the advertisement to bow or reflect light and be less readable.

SUMMARY OF THE INVENTION

The primary purposes of the present invention are two-fold. In one embodiment of the present invention, an improved advertising panel for retrofitting on existing cart baskets is disclosed. In another embodiment, advertising panels that are molded-in to plastic cart baskets is disclosed. The molded-in panels overcome many of the disadvantages of retrofitted advertising panels.

It is an object of the present invention to provide inexpensive, low maintenance advertising panels that use no hinges and no moving parts, and that may be retrofitted on cart baskets.

It is another object of the present invention to provide retrofitted advertising panels having holes strategically placed in the plate element to prevent warping and stress distortion during the molding process, to allow easier placement and a flatter display without excess reflection or bowing of the advertisement, and which is easy to clean and maintain.

It is a further object of the present invention to provide a molded-in advertising frame on a cart having a plastic basket and that may be formed on the side walls of the basket without affecting the ability of the carts to nest.

It is another object of the present invention to provide a molded-in advertising panel that is durable, and does not have any protrusions to catch on merchandise, fixtures, or customers.

It is another object of the present invention to provide a molded-in advertising panel in which advertising is visible even when carts are nested, and in which the company logo is not obscured.

It is another object of the present invention to provide a molded-in advertising panel using snap in frame elements that are simple to maintain and replace, that permits easy handling of the advertisement, that uses no hinges or other moving parts, and that is a low maintenance, inexpensive product.

These and other objects are achieved by the advertising panels of the present invention. In one embodiment, the advertising panel is retrofitted on an existing shopping cart basket. In this embodiment, the advertising panel may be retrofitted on either plastic cart baskets or wire cart baskets. The advertising panel includes two separate components, a frame element and a plate element. There are no moving parts and either of the two components may be separately removed or replaced as desired. The plate element is rectangular and has outer peripheral edge walls disposed around and protruding from the perimeter of the outwardly facing side. These edge walls have tab receiving slots which receive tabs disposed on the frame element. The edge walls strengthen the plate element and prevent the frame element from receiving impacts and damage. Three edge walls, the top, the bottom, and one side, are formed to shield the sides of the frame element. The remaining side serves as a receiving opening that permits insertion and removal of advertisements therethrough. This allows the top edge wall to prevent moisture from dripping down and contacting the advertisements. This preserves the condition and increases the life of the advertisements. The receiving opening side is formed as a stepped retaining lip. This lip permits easy insertion of the advertisement into the panel while preventing tampering with and loss of the advertisement. Advertisements are easily inserted

into the advertising panel through the receiving opening without removing the frame element from the plate portion. The plate element is symmetric around a central horizontal axis. It may be disposed on a cart so that advertisements can enter from either the left or the right side.

The plate element is formed with oblong holes disposed in strategic locations. These holes preferably have a maximum width of .25 inch especially when panels are not mounted back to back. This prevents objects greater than .25 inch in diameter from protruding therethrough and prevents children from poking at and damaging the advertisement. The oblong holes prevent warping and stress distortion during the injection molding process thereby allowing a flat plate element to be constructed. This allows the advertisement to easily slide in the panel and permits a superior, flatter, display without excess reflection or bowing of the advertisement. These holes also increase the cleanliness of the panel by permitting water drainage. Also, in addition to the tab receiving slots, drainage holes are provided at the intersection of the plate element and the bottom edge wall.

The advertising panels are retrofitted on the front wall of the cart basket. Preferably, two advertising panels are used, one on the inside and one on the outside of the basket front wall. Two plate elements are disposed back-to-back with the front wall of the basket therebetween. The plate elements are screw fastened together through the front wall of the basket to secure the advertising panel to the basket. Holes are formed in projections in corresponding locations on the back of both plate elements. This permits the plate elements to more closely fit within the latticework of the front wall of the basket to better secure the advertising panels to the front wall. The frame element is rectangular, symmetrical around a central horizontal axis, and corresponds in size to the plate element. The frame element fits within the edge walls of the plate element and is secured to the plate element by complementary tabs which fit within the tab receiving slots of the edge walls of the plate element.

The molded-in advertising panel is similar in many respects to the improved retrofitted advertising panel of the present invention. The molded-in panel also uses two components, a frame element and a plate portion. The plate portion is integrally molded with the side walls of the plastic basket. The plate portion may be formed on both of the side walls in addition to the front wall. This embodiment also uses no moving parts and uses a frame element that is identical to that of the retrofitted device. The frame element is rectangular, has tabs, and is replaceable and removable from the shopping cart. Preferably, the molded-in plate portions

are formed near the upper rear of the side walls to be visible when carts are nested and to provide adequate space for the company logo. The plate portion is recessed into the outer surface of the basket wall and flush with the inner surface of the basket wall. When the frame element is disposed against the plate portion, the frame element is likewise recessed from the outer surface of the basket wall. The tabs in the frame element fit within tab receiving slots formed within the latticework of the basket walls which forms the outer peripheral edge walls of the plate portion. The top edge wall prevents moisture from dripping down and contacting the advertisements. Drainage holes disposed in the bottom edge wall permit water to drain. The plate portion is also formed with oblong holes which perform the same functions as the oblong holes of the retrofitted advertising panel. Advertisements are inserted and removed through the side of the panel. A series of horizontal ribs are disposed along the length of this side opening. The horizontal ribs permit easy insertion of the advertisement into the panel while preventing tampering with and loss of the advertisement.

The molded-in advertising panels have many advantages over the retrofitted version. With the molded-in panels, advertising panels may be placed on the side walls of the cart basket in addition to the front wall; because the panel is molded into the basket walls and the frame element is recessed into the outside walls of the basket, carts may be nested together without damaging the panels. The cost of the molded-in advertising panel is much less than that for a retrofitted panel because the plate portion is part of the cart. Placing panels on the side walls of the basket doubles the advertising capacity of each cart. Additionally, the molded-in panels last several times longer than retrofitted panels. Advertisements may be inserted or removed from the advertising panels without removing the frame element. This reduces the time needed to change advertisements. This is significant as advertisements are typically changed every four weeks. Also, because the plate element is not removable, its chances of being damaged are decreased.

Various additional advantages and features of novelty which characterize the invention are further pointed out in the claims that follow. However for a better understanding of the invention and its advantages, reference should be made to the accompanying drawings and descriptive matter which illustrate and describe preferred embodiments of the invention.

BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 is a side view of a scanner cart with molded-in advertising panels.

Figure 2 is a front view of a scanner cart with retrofitted advertising panels mounted on the front wall and molded-in advertising panels on the side walls.

Figure 3 is an exploded perspective view of the retrofitted advertising panel.

Figure 4 is a sectional view of the retrofitted advertising panels of Figure 2 taken along line 4-4.

Figure 5 is a front view of the plate element of the retrofitted advertising panel of Figure 3.

Figure 6 is a sectional view of the plate element of Figure 5 taken along line 6-6.

Figure 7 is a sectional view of the plate element of Figure 5 taken along line 7-7.

Figure 8 is a sectional view of the plate element of Figure 5 taken along line 8-8.

Figure 9 is a sectional view of the plate element of Figure 5 taken along line 9-9.

Figure 10 is a sectional view of the plate element of Figure 5 taken along line 10-10.

Figure 11 is a front view of the frame element of the retrofitted advertising panel of Figure 3.

Figure 12 is a rear view of the frame element of Figure 11.

Figure 13 is a sectional view of the frame element of Figure 11 taken along line 13-13.

Figure 14 is an expanded view of the frame element of Figure 13 taken around circle 14.

Figure 15 is a sectional view of the frame element of Figure 12 taken along line 15-15.

Figure 16 is a sectional view of the frame element of Figure 12 taken along line 16-16.

Figure 17 is a front view of a molded-in advertising panel showing the plate portion and a partial view of the frame element.

Figure 18 is a sectional view of the plate portion of Figure 17 taken along line 18-18.

Figure 19 is a sectional view of the advertising panel of Figure 17 including the frame element taken along line 19-19.

Figure 20 is a front view of a molded-in advertising panel with a retrofitted advertising panel mounted thereon.

Figure 21 is a sectional view of the advertising panels of Figure 20 taken along line 21-21.

Figure 22 is a side view of a regular cart with molded-in advertising panels.

Figure 23 is a side view of an over-the-counter cart with molded in advertising panels.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

Figures 1 and 2 show a scanner type shopping cart having both retrofitted and molded-in advertis-

ing panels. Shopping cart 10 has metal cart frame 12 on which wheels 14 are mounted. Plastic basket 16 is mounted on frame 12. Plastic basket 16 may be formed of latticework 18 having any known pattern such as square or diamond. The basket may alternatively be a conventional wire mesh basket. Plastic basket 16 includes two side walls 20, front wall 22, back wall 24 and bottom surface 26. Logo space 28 is formed on one or both side walls 20.

Retrofitted advertising panel 30 is shown mounted on front wall 22 of basket 16 of shopping cart 10 in Figures 2 and 4. Although shown on a plastic scanner shopping cart basket in Figure 2, retrofitted advertising panels 30 may be mounted on regular, jumbo, mini, and over-the-counter plastic shopping carts also. Additionally, retrofitted advertising panels 30 may be mounted on almost any wire shopping cart basket. Retrofitted advertising panel 30 includes two separate components: plate element 32 and frame element 34 as best shown in Figure 3. Plate element 32, illustrated in detail in Figures 5-10, includes rectangular plate 36 made of polyethylene. Plate 36 is formed with a series of apertures such as oblong holes 38 therethrough. In practice, holes 38 need not be oblong nor disposed in any particular pattern. Nor need they cover the entire central region of plate 36. Holes 38 are formed to prevent warping and stress distortion of plate element 32 during the cooling phase of the molding process. Holes 38 are formed preferably in the central portion of plate element 32 and are located so that there are no extended continuous areas of uninterrupted plastic. Holes 38 may be arranged so that most line segments taken from one side of plate 36 to another side and passing through the central region of plate 36 intersect at least one hole 38.

Plate element 32 is formed with edge walls extending around the perimeter and projecting outwardly from the front of plate 36. Top edge wall 40, bottom edge wall 42, and side edge wall 44 are disposed along the entire length of three edges of plate 36. Edge walls 40, 42, 44 are formed with a 5° taper. This assists removal of plate element 32 from the mold during molding and creates a more streamlined, integral look for the advertising panel. Edge walls 40, 42, 44 surround frame element 34 along three sides. The edge walls strengthen plate element 32 and shield the sides of frame element 34. Top edge wall 40 greatly reduces the possibility of moisture dripping onto and damaging the advertisement. The remaining side of plate element 32 serves as the advertisement receiving opening. Advertisements are inserted and removed from advertising panel 30 through this side. Stepped retaining lip 46 is disposed along the majority of this side of plate 36.

Two tab receiving openings 48 are formed in each of top and bottom edge walls 40, 42 and hold frame element 34 in place on plate element 32. Tab receiving openings are formed totally through top and bottom edge walls 40, 42. Additionally, a centrally located drainage hole 50 is disposed along both the top and bottom edges of plate 36. Drainage holes 50 are formed through only the edge of plate 36 at the intersection of edge walls 40, 42. Drainage holes 50 do not extend through and do not provide vertical openings through edge walls 40, 42. Drainage holes 50 permit moisture that enters advertising panel 30 to drain out of the panel. The placement of drainage hole 50 adjacent top edge wall 40 renders plate element 32 symmetrical around its central horizontal axis. Thus, plate element 32 may be used with the advertising receiving opening on its right or left side. If symmetry is not required, then drainage hole 50 disposed adjacent top edge wall 40 need not be formed.

Hollow mounting projections 52 are formed on the back surface of plate element 32 and receive self-tapping screws which secure advertising panels 30 to front wall 22 of shopping cart 10. In practice, two advertising panels 30 are disposed on front wall 22. One panel is disposed in the outside and the other on the inside of front wall 22. Thus, the back surface of plate elements 32 abut each other through front wall 22 and mounting projections 52 on each plate element 32 abut each other. Screws are threaded from one plate element 32, through front wall 22, and into the other plate element 32.

Frame element 34, illustrated in detail in Figures 11-16, includes first and second side members 54, 56, top member 58, and bottom member 60. Frame element 34 is symmetrical around a central horizontal axis. Tabs 62 are disposed on the side of top and bottom members 58, 60 at locations corresponding to tab receiving openings 48 of plate element 32. Tabs 62 removably fit into tab receiving openings 48 to secure frame element 34 to plate element 32. Frame element 34 fits within edge walls 40, 42, 44. The undersides of top member 58, bottom member 60 and first side member 54 are formed with shortened inside portions 64 to receive advertisements thereunder. This secures the advertisements in advertising panel 30. The depth of second side member 56 is less than that of top, bottom, and first side members 58, 60, 54. The outside portion of the underside of second side member 56 is sloped or tapered upwardly in a direction extending outwardly. This sloped surface 66 facilitates insertion and removal of advertisements between plate element 32 and frame element 34. Thus, frame element 34 need not be removed or dislodged from plate element 32 to

insert or remove advertisements.

Figures 1 and 2, 22, and 23 illustrate scanner, regular, and over-the-counter shopping carts, respectively, having molded-in advertising panels 30. Molded-in advertising panels 30 are formed not only on the exterior of front wall 22 of shopping carts 10, but also on both side walls 20. Additionally, a retrofitted advertising panel 30 may be fastened to the inside of front wall 22, as shown in Figures 20 and 21. In Figures 20 and 21, oblong holes 38 are omitted for clarity. When mounting a retrofitted advertising panel on to a molded-in advertising panel, mounting projections are not necessary. Alternately, molded-in advertising panel 30 may be formed on the inside of front wall 22 and retrofitted advertising panel 30 fastened to the outside of front wall 22, or molded-in advertising panels 30 may be formed on both sides of front wall 22. Frame element 34 used with molded-in advertising panel 30 is identical to frame element 34 used with retrofitted advertising panel 30. Plate portion 70 performs identical functions to plate element 32 of the retrofitted advertising panel but, because it is molded and formed as part of the walls of basket 16, it has different features.

Plate portion 70, shown in detail in Figures 17-21, is integrally formed with walls 20, 22 of plastic basket 16. [For this discussion, it is assumed that plate portion 70 is formed to display advertisements on the outside of front wall 22 only.] The rear or inwardly facing surface of plate portion 70 is formed flush with the inner surface of walls 20, 22. The front or outwardly facing surface of plate portion 70 is recessed from the outer surface of walls 20, 22. When frame element 34 is positioned on plate portion 70, it too is recessed from the outer surface of walls 20, 22. Plate portion 70 is formed on the upper rear portion of side walls 20 and logo space 28 is formed toward the front of side walls 20. This permits advertisements within advertising panel 30 to be visible even when shopping carts 10 are nested. Plate portion 70 is also formed with a series of apertures such as oblong holes 38. Because, regarding at least advertising panels 30 molded in side walls 20, oblong holes 38 will be exposed to the interior of basket 16, oblong holes 38 are formed preferably with a maximum width of .25 inches. This minimizes the number of products that can extend through oblong holes 38 to damage the advertisement. It also prevents children from poking fingers into and tampering with the advertisement. The top, bottom, and side edge walls 40, 42, 44 for plate portion 70 are formed by latticework 18 adjacent and surrounding plate portion 70. Tab receiving openings 48 are formed in appropriate locations in top and bottom edge walls 40, 42. A central drainage hole 50 is formed in bottom edge wall 42 only. Although edge walls are

formed around the entire perimeter of molded-in advertising panel 30, additional horizontal ribs 72 are formed on plate portion 70 adjacent the side of plate portion 70 that serves as the advertisement receiving opening.

Numerous characteristics, advantages, and embodiments of the invention have been described in detail in the foregoing description with reference to the accompanying drawings. However, the disclosure is illustrative only and the invention is not limited to the precise illustrated embodiments. Various changes and modifications may be effected therein by one skilled in the art without departing from the scope or spirit of the invention.

Claims

1. A cart having a basket and an advertising panel mounted on a wall of said cart basket, said advertising panel comprising:
a rectangular flat plate element, said plate element having peripheral edge walls extending around the perimeter of and protruding from the front side of said plate element;
a rectangular frame element having dimensions corresponding to said plate element and removably mountable on said plate element;
retaining means for holding said frame element on said plate element; and
mounting means for mounting said advertising panel on the wall of the basket;
wherein said advertising panel secures an advertisement therein when said frame element is mounted on said plate element.

2. A cart basket having an advertising panel mounted on a wall of said cart basket, said advertising panel comprising:
a rectangular flat plate element, said plate element having peripheral edge walls extending around the perimeter of and protruding from the front side of said plate element;
a rectangular frame element having dimensions corresponding to said plate element and removably mountable on said plate element;
retaining means for holding said frame element on said plate element; and
mounting means for mounting said advertising panel on the wall of the basket;
wherein said advertising panel secures an advertisement therein when said frame element is mounted on said plate element.

3. An advertising panel for mounting on a wall of a basket of a cart comprising:
a rectangular flat plate element, said plate element having peripheral edge walls extending around the perimeter of and protruding from the front side of said plate element;

a rectangular frame element having dimensions corresponding to said plate element and removably mountable on said plate element; retaining means for holding said frame element on said plate element; and mounting means for mounting said advertising panel on the wall of the basket; wherein said advertising panel secures an advertisement therein when said frame element is mounted on said plate element.

4. An advertising panel as set forth in claim 3 wherein two said advertising panels are mounted back-to-back on the wall of the basket, one said advertising panel being mounted on the outside of the wall and the other said advertising panel being mounted on the inside of the wall.

5. An advertising panel as set forth in claim 4 wherein the basket walls are formed of an open latticework construction, each said advertising panel has a plurality of projections mounted on the back side of said panel element, said projections fit within openings in the latticework of the wall of the basket, projections on one said advertising panel correspond in location to projections on the other said advertising panel, and said mounting means comprises screws threadedly mounted between respective pairs of said projections.

6. A cart as set forth in claim 3 wherein said retaining means comprises a plurality of tabs disposed on the outer edges of said frame element and a plurality of openings disposed in corresponding locations on the edge walls of said side portion of said plate element, said tabs engaging said openings when said frame element is mounted on said plate element.

7. An advertising panel as set forth in claim 3 wherein said advertising panel comprises advertisement securing means for retaining the advertisement within said advertising panel and permitting the advertisement to be easily inserted in said advertising panel while preventing tampering with or loss of the advertisement.

8. An advertising panel as set forth in claim 7 wherein said peripheral edge walls extend completely along three sides of said plate element, the remaining side of said plate element serves as a receiving opening for the advertisement, and said advertisement securing means comprises a stepped retaining lip disposed on said plate element along at least a portion of said remaining side of said plate element.

9. An advertising panel as set forth in claim 3 wherein said plate element and said frame element are symmetrical around a central horizontal axis.

10. An advertising panel as set forth in claim 3 wherein said plate element has at least one drainage hole formed through the edge of said plate element adjacent the intersection of said edge walls and said plate element.

11. An advertising panel as set forth in claim 3 wherein said plate element is formed with a plurality of apertures, said apertures preventing warping and reducing stress distortion during the molding of said plate element.

12. An advertising panel as set forth in claim 11 wherein said apertures are oblong.

13. An advertising panel as set forth in claim 12 wherein said oblong apertures are located on said plate element so that any line segment connecting any two sides of said plate element and passing through the central portion of said plate element passes through at least one said oblong aperture.

14. Advertising panels for mounting on a basket of a cart, wherein the basket walls are formed of an open latticework construction, two said advertising panels are mounted back-to-back on the front wall of the basket, one said advertising panel being mounted on the outside of the front wall and the other said advertising panel being mounted on the inside of the front wall, and each said advertising panel comprises:

a rectangular flat plate element, said plate element being symmetrical around a central horizontal axis and having peripheral edge walls extending around the perimeter of and protruding from the front side of said plate element, said edge walls extending completely across three sides of said plate element, the remaining side of said plate element serving as a receiving opening for the advertisement, said plate element comprising a stepped retaining lip disposed along at least a portion of said remaining side of said plate element that retains the advertisement within said advertising panel and permits the advertisement to be inserted easily in said advertising panel while preventing tampering with or loss of the advertisement, and each said plate element has a plurality of projections mounted on its back side, said projections fitting within openings in the latticework of the front wall of the basket, and projections on one said advertising panel corresponding in location to projections on the other said advertising panel;

mounting means comprising screws for mounting said advertising panels on the front wall of the basket, wherein said screws are threadedly mounted between respective pairs of said projections; a rectangular frame element being a symmetrical around a central horizontal axis, having dimensions corresponding to said plate element, and being removably mountable on said plate element; retaining means for holding said frame element on

said plate element, wherein said retaining means comprises a plurality of tabs disposed on the outer edges of said frame element and a plurality of openings disposed in corresponding locations on the inner edges of said side portion of said plate element, said tabs engaging said openings when said frame element is mounted on said plate element;

wherein each said advertising panel secures an advertisement therein when said frame element is mounted on said plate element.

15. Advertising panels as set forth in claim 14 wherein said plate element is formed having a plurality of oblong apertures, and said oblong apertures prevent warping and reduce stress distortion during the molding of said plate element.

16. Advertising panels as set forth in claim 14 wherein said plate element has drainage holes formed through the edge of said plate element adjacent the intersection of said edge walls and said plate element.

17. A plastic basket of open latticework construction for use with a cart including at least three walls and at least one molded-in advertising panel, said advertising panel comprising a plate portion, a frame element, and retaining means for holding said frame element on said plate portion, said plate portion being integrally formed and molded as one piece with at least one of said walls of said basket, and said frame element having dimensions corresponding to said plate portion and being removably mountable on said plate portion, wherein said advertising panel secures an advertisement therein when said frame element is mounted on said plate portion.

18. A cart with a plastic basket of open latticework construction including at least three walls and at least one molded-in advertising panel, said advertising panel comprising a plate portion, a frame element, and retaining means for holding said frame element on said plate portion, said plate portion being integrally formed and molded as one piece with at least one of said walls of said basket, and said frame element having dimensions corresponding to said plate portion and being removably mountable on said plate portion, wherein said advertising panel secures an advertisement therein when said frame element is mounted on said plate portion.

19. A cart as set forth in claim 18 wherein said advertising panel is oriented to display advertisements on the outside of said basket.

20. A cart as set forth in claim 18 comprising a plurality of advertising panels wherein said at least three walls comprise two side walls and a front wall and said advertising panels are formed in both of said side walls and said front wall.

21. A cart as set forth in claim 20 wherein said plate portions on said side walls are located in the upper rear area of said side walls.

22. A cart as set forth in claim 19 further comprising an additional advertising panel molded with and integrally formed on the inside of one of said walls of said plastic basket, said additional advertising panel being formed having the inner side of said plate portion substantially coplanar with said molded-in advertising panel formed on the outside of said wall.

23. A cart as set forth in claim 22 wherein said advertising panels are formed on said front wall.

24. A cart as set forth in claim 19 further comprising an additional advertising panel formed separately from and mounted on an inside wall of said basket.

25. A cart as set forth in claim 24 wherein said molded-in advertising panel is molded in said front wall and said additional advertising panel is mounted on said front wall opposite said molded-in advertising panel.

26. A cart as set forth in claim 25 wherein said additional advertising panel is mounted by screws passing through said advertising panel molded in said front wall.

27. A cart as set forth in claim 18 wherein said molded-in advertising panel is molded in said front wall and is oriented to display advertisements on the inside of said basket and further comprising an additional advertising panel formed separately from and mounted on the outside of said front wall, wherein said advertising panels are mounted opposite each other.

28. A cart as set forth in claim 18 wherein said plate portion and said frame element are rectangular.

29. A cart as set forth in claim 18 wherein said frame element is symmetrical around a central horizontal axis.

30. A cart as set forth in claim 18 wherein said plate portion is formed with an inner side flush with the inner surface of said basket walls and an outer side recessed from the outer surface of said basket walls, and said frame element is recessed from said outer surface of said basket walls when said frame element is mounted on said plate portion.

31. A cart as set forth in claim 18 wherein the side portions of said open latticework construction which surround said plate portion form top, bottom, and side edge walls of said plate portion.

32. A cart as set forth in claim 31 wherein said bottom edge wall has at least one drainage hole formed therethrough.

33. A cart as set forth in claim 31 wherein said retaining means comprises a plurality of tabs disposed on the outer edges of said frame element and a plurality of openings disposed in correspond-

ing locations on said edge walls of said plate portion, said tabs engaging said openings when said frame element is mounted on said plate portion.

34. A cart as set forth in claim 18 wherein said advertising panel comprises advertising securing means for retaining the advertisement within said advertising panel and permitting the advertisement to be easily inserted in said advertising panel while preventing tampering with or loss of the advertisement.

35. A cart as set forth in claim 34 wherein one side of said plate portion serves as a receiving opening for the advertisement, and said advertisement securing means comprises a series of horizontal ribs disposed on said plate portion along at least a portion of said one side of said plate portion.

36. A cart as set forth in claim 18 wherein said plate portion is formed having a plurality of apertures, said apertures preventing warping and reducing stress distortion during the molding of said plate portion.

37. A cart as set forth in claim 36 wherein said apertures are oblong and have a maximum width of .25 inches.

38. A cart as set forth in claim 37 wherein said oblong apertures are located on said plate portion so that any line segment connecting any two sides of said plate portion and passing through the central portion of said plate portion passes through at least one said oblong aperture.

39. A cart as set forth in claim 18 wherein said cart is a shopping cart.

40. A cart as set forth in claim 39 wherein said cart is a regular shopping cart.

41. A cart as set forth in claim 39 wherein said cart is a jumbo shopping cart.

42. A cart as set forth in claim 39 wherein said cart is a mini shopping cart.

43. A cart as set forth in claim 39 wherein said cart is a scanner shopping cart.

44. A cart as set forth in claim 39 wherein said cart is an over-the-counter shopping cart.

45. A cart with a plastic basket of open latticework construction including two side walls and a front wall and three molded-in advertising panels wherein one said advertising panel is formed in each of said side walls and said front wall, each said advertising panel comprising:

a rectangular plate portion integrally formed and molded as one piece with its respective said wall, said rectangular plate portion being formed with an inner side flush with the inner surface of said basket wall and an outer side recessed from the outer surface of said basket wall, wherein side portions of said open latticework construction which surround said plate portion form edge walls of said

plate portion, said bottom edge wall having at least one drainage hole formed therethrough, one side of said plate portion serving as a receiving opening for the advertisement, said plate portion comprising a series of horizontal ribs disposed along at least a portion of said one side of said plate portion which retain the advertisement within said advertising panel and permits the advertisement to be easily inserted in said advertising panel while preventing tampering with or loss of the advertisement;

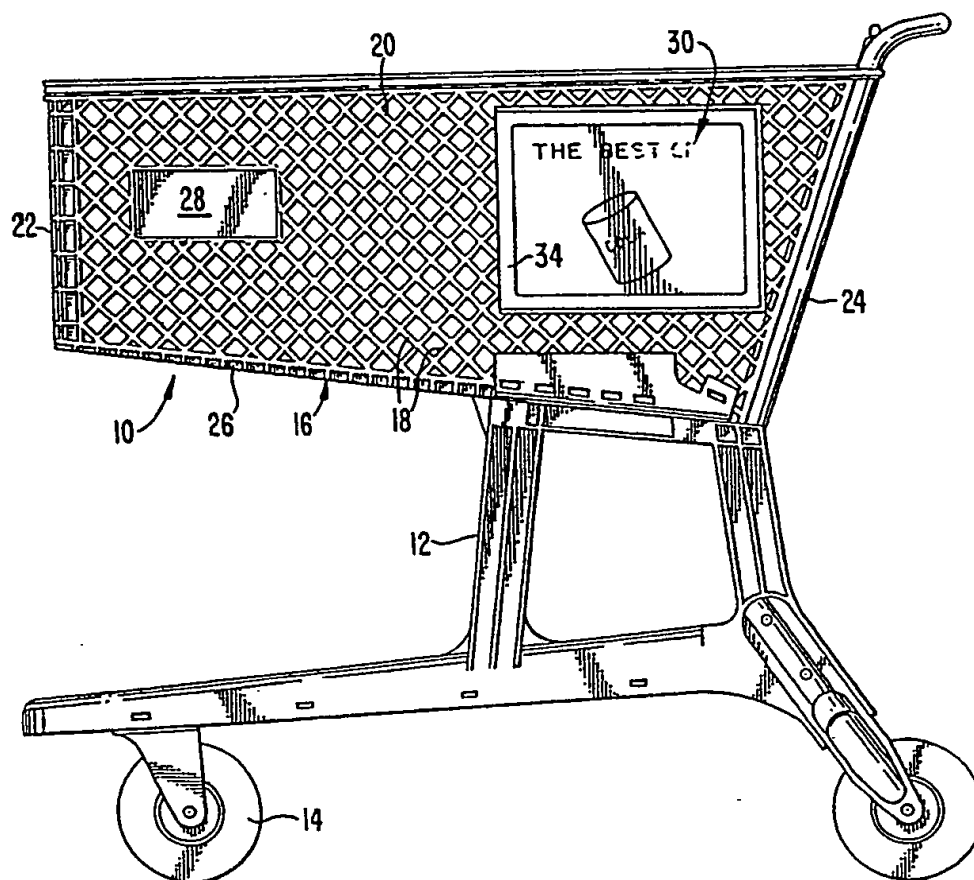
a rectangular frame element being symmetrical around a central horizontal axis, having dimensions corresponding to said plate portion, and removably mountable on said plate portion;

retaining means for holding said frame element on said plate portion, wherein said retaining means comprises a plurality of tabs disposed in the outer edges of said frame element and a plurality of openings disposed in corresponding locations on said edge walls of said plate portion, said tabs engaging said openings when said frame element is mounted on said plate portion;

wherein when said frame element is mounted on said plate portion, said frame element is recessed from said outer surface of said basket wall and said advertising panel secures an advertisement therein.

46. A cart as set forth in claim 45 wherein said plate portion is formed having a plurality of oblong apertures having a maximum width of .25 inches and said oblong apertures prevent warping and reduce stress distortion during the molding of said plate portion.

FIG. 1



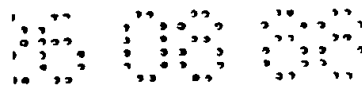
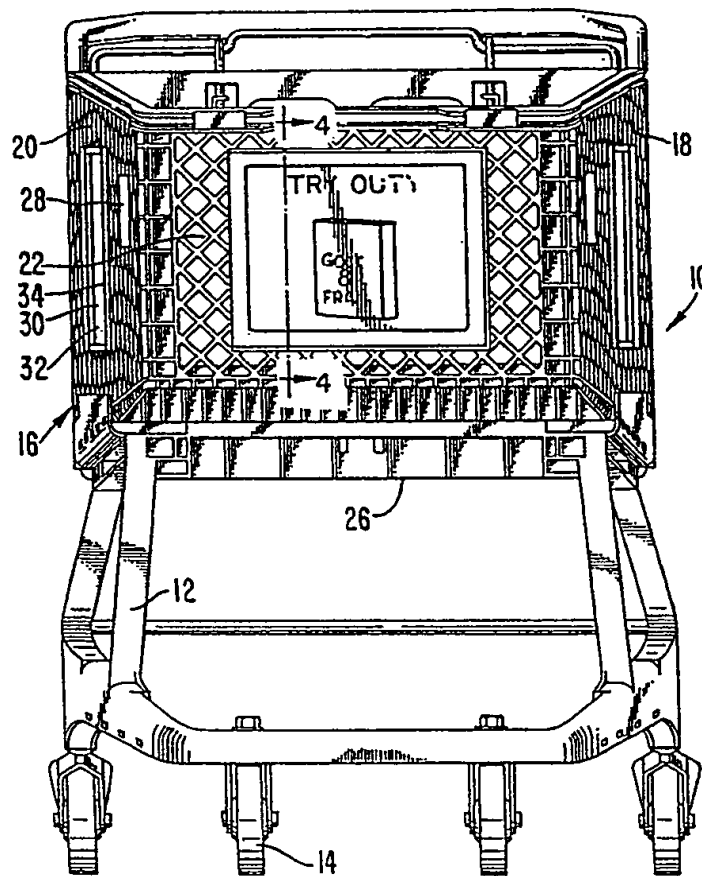
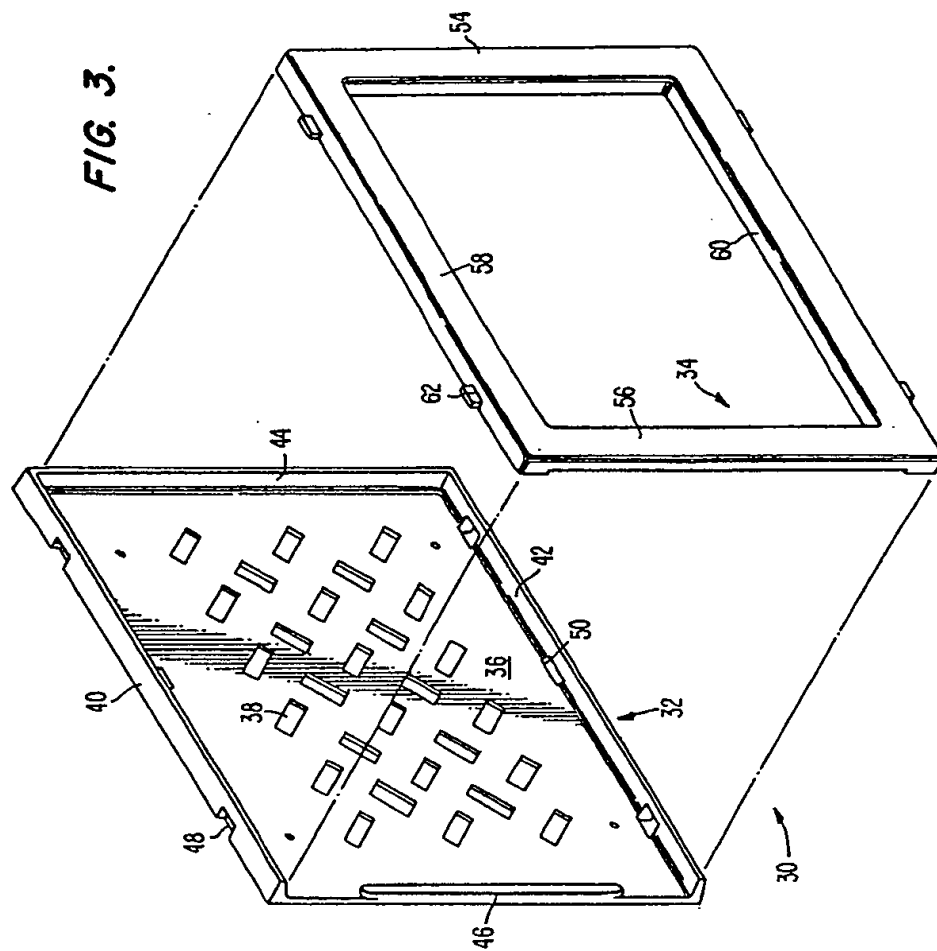
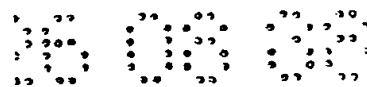
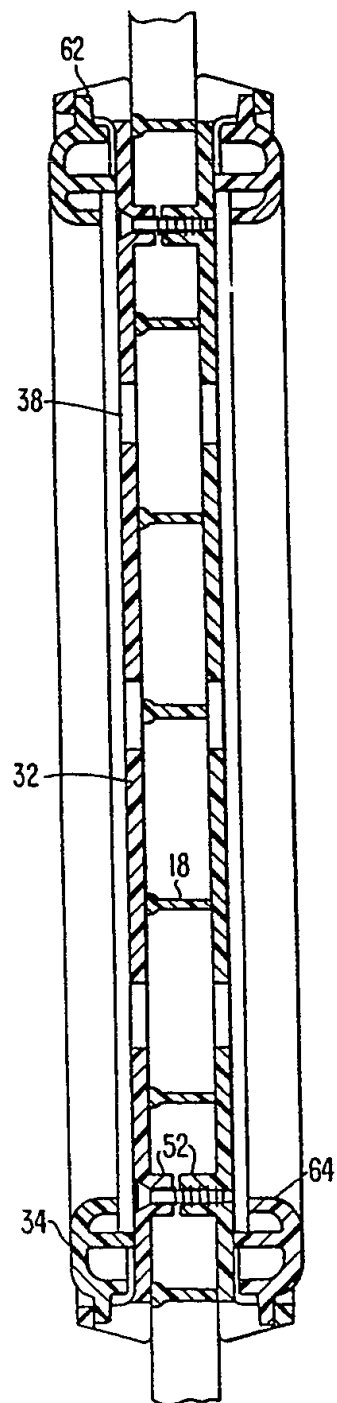


FIG. 2





**FIG. 4.**

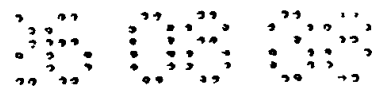


FIG. 5.

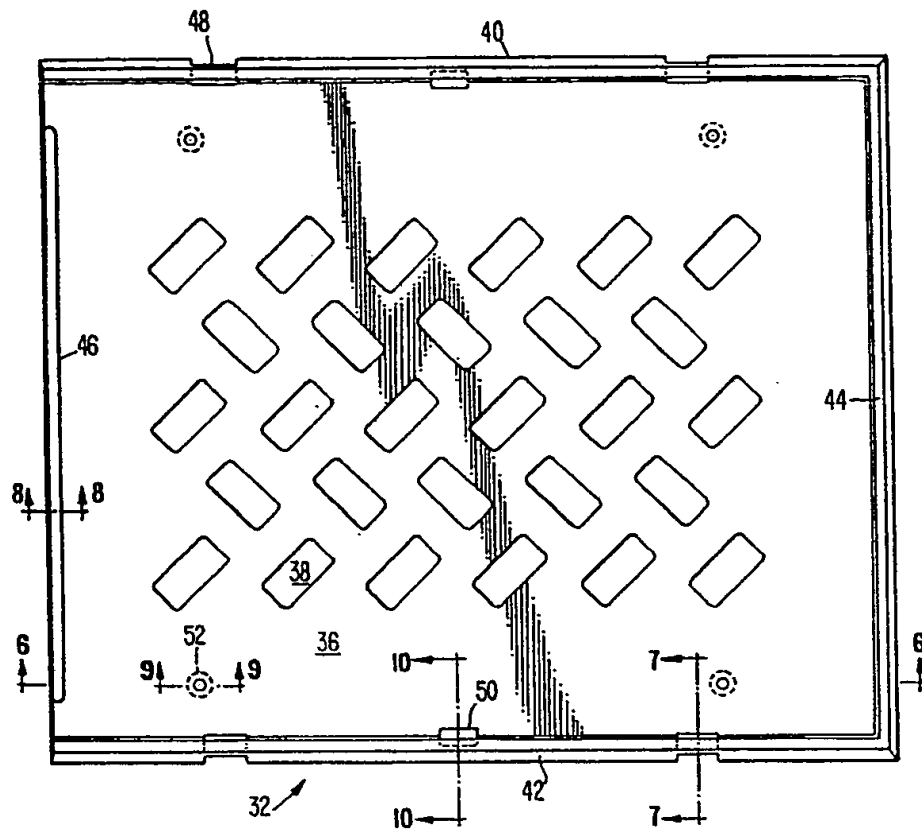
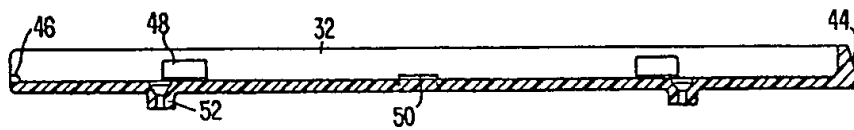


FIG. 6.



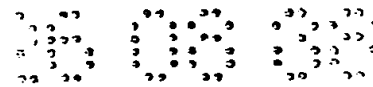


FIG. 7.

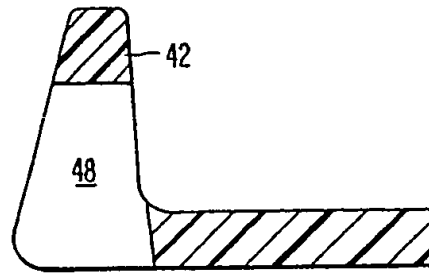


FIG. 8.

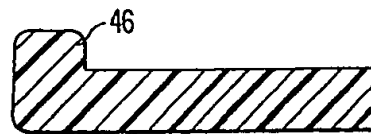


FIG. 9.

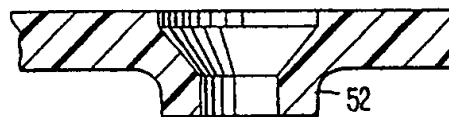


FIG. 10.

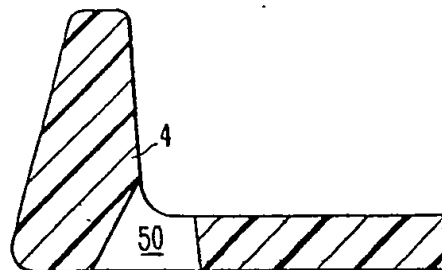


FIG. II.

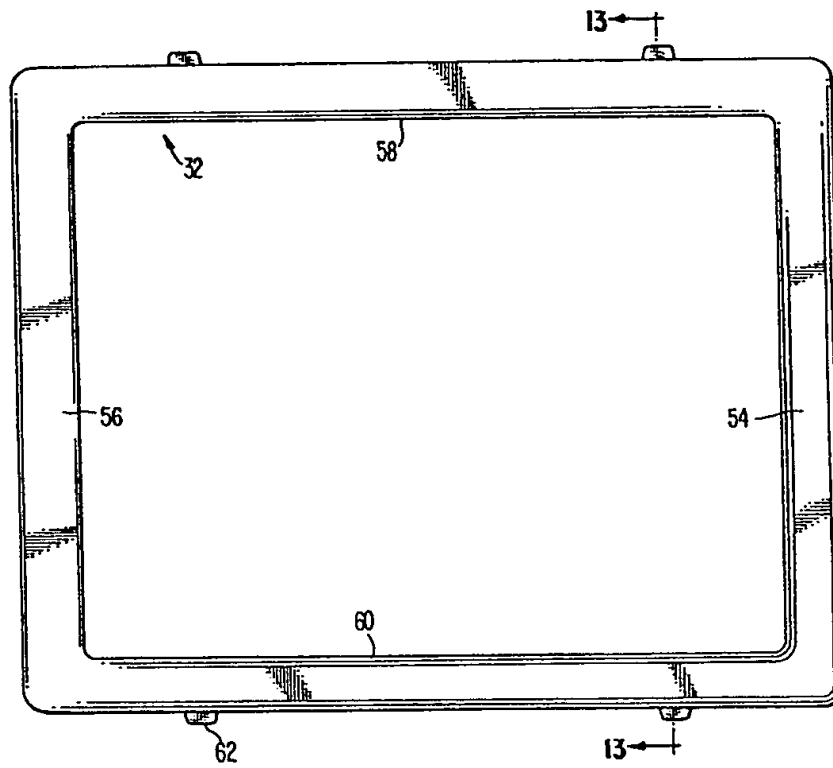




FIG. 12.

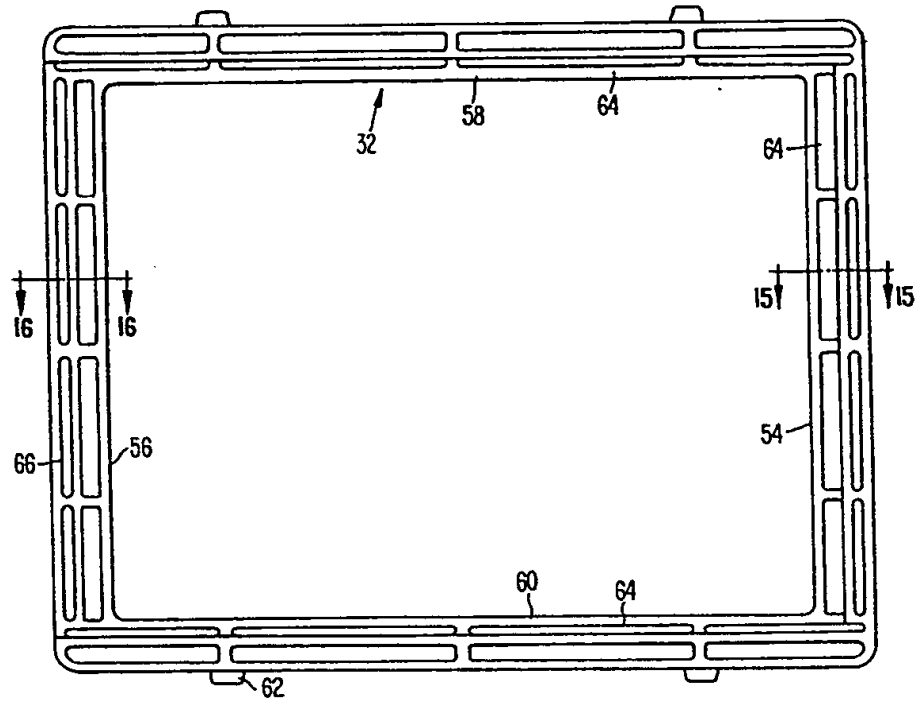


FIG. 13.



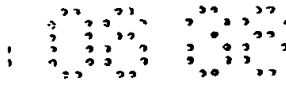


FIG. 14.

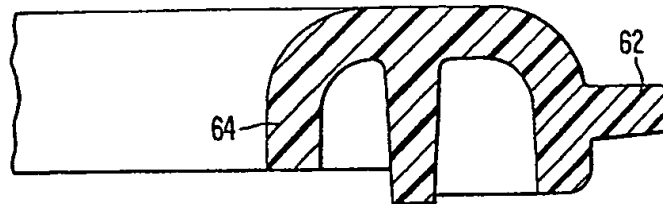


FIG. 15.

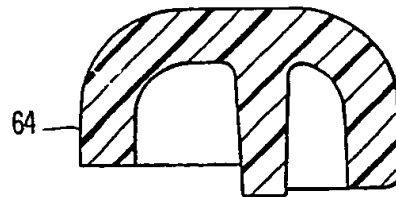
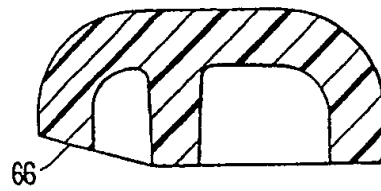


FIG. 16.



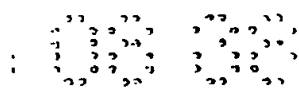


FIG. 17.

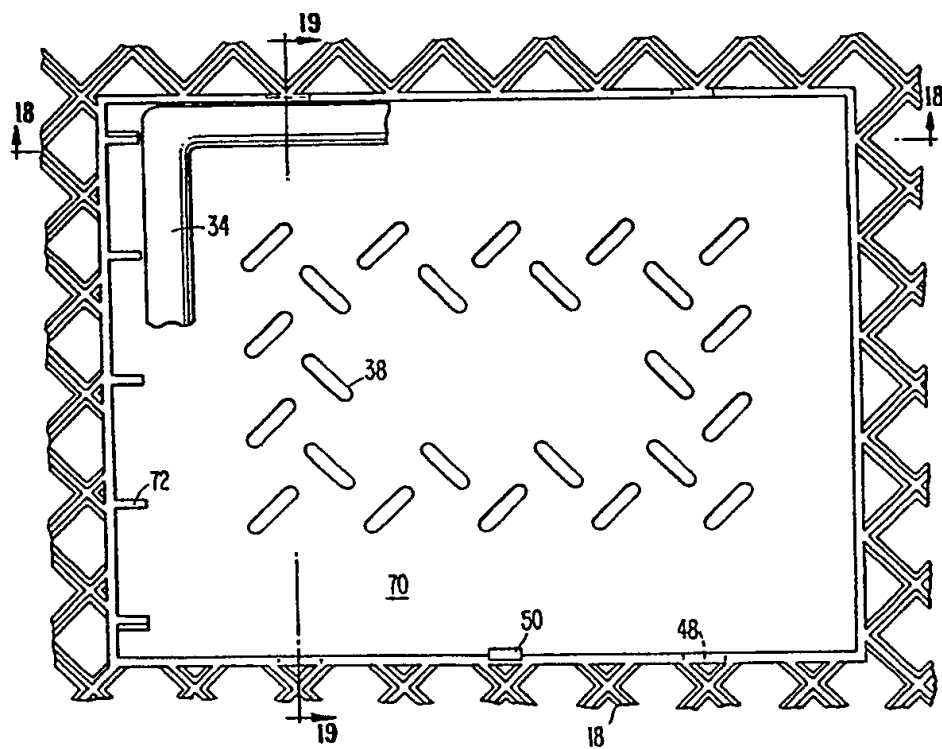


FIG. 18.

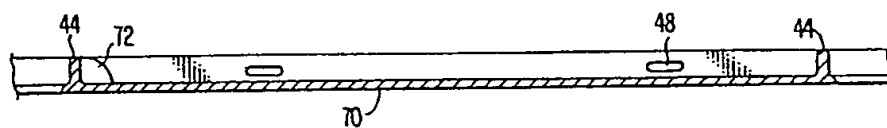


FIG. 19.

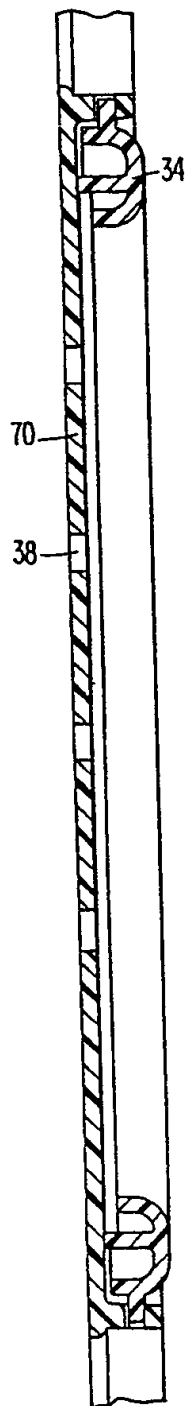
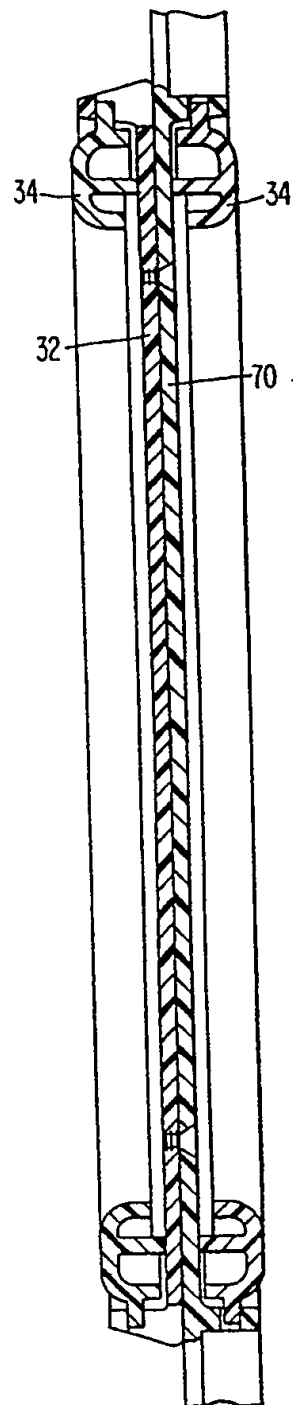


FIG. 21.



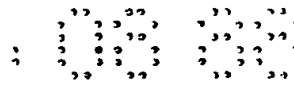


FIG. 20.

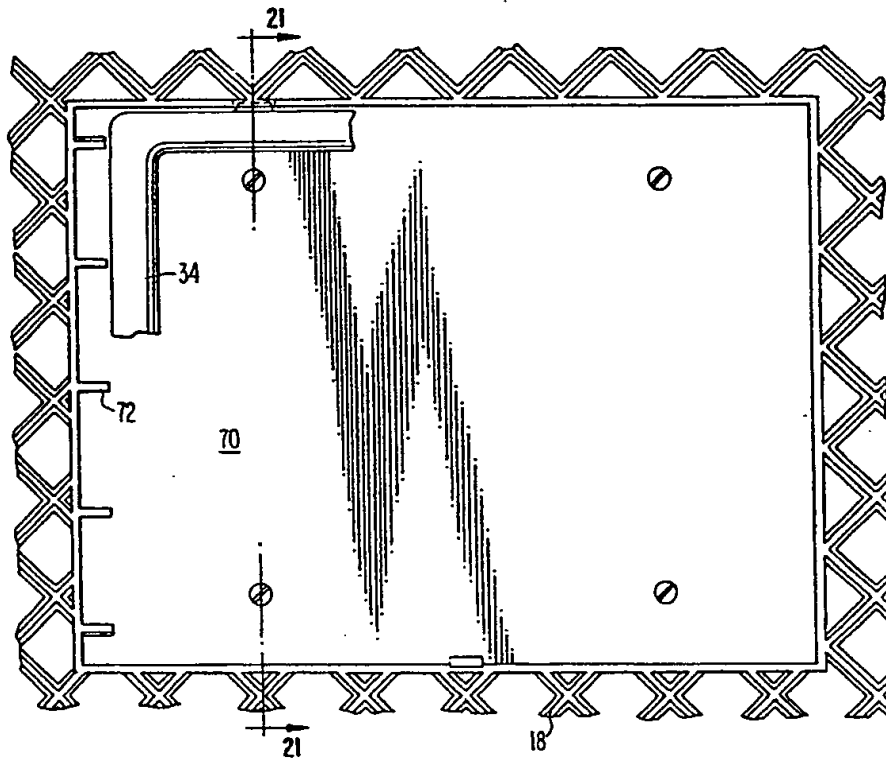


FIG. 22

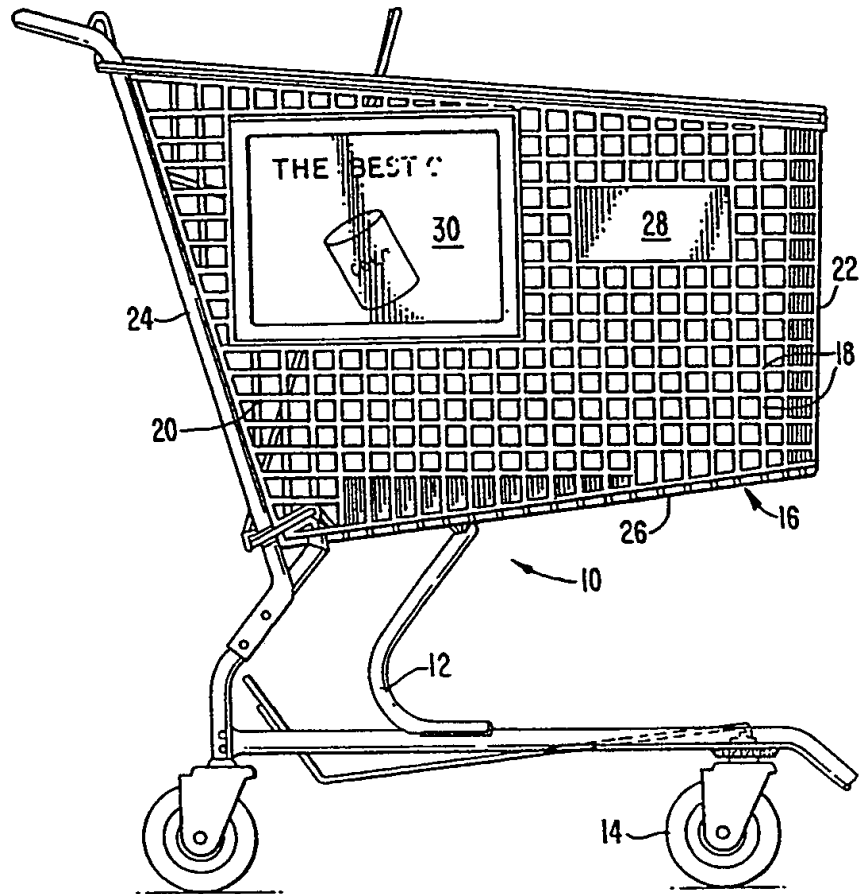
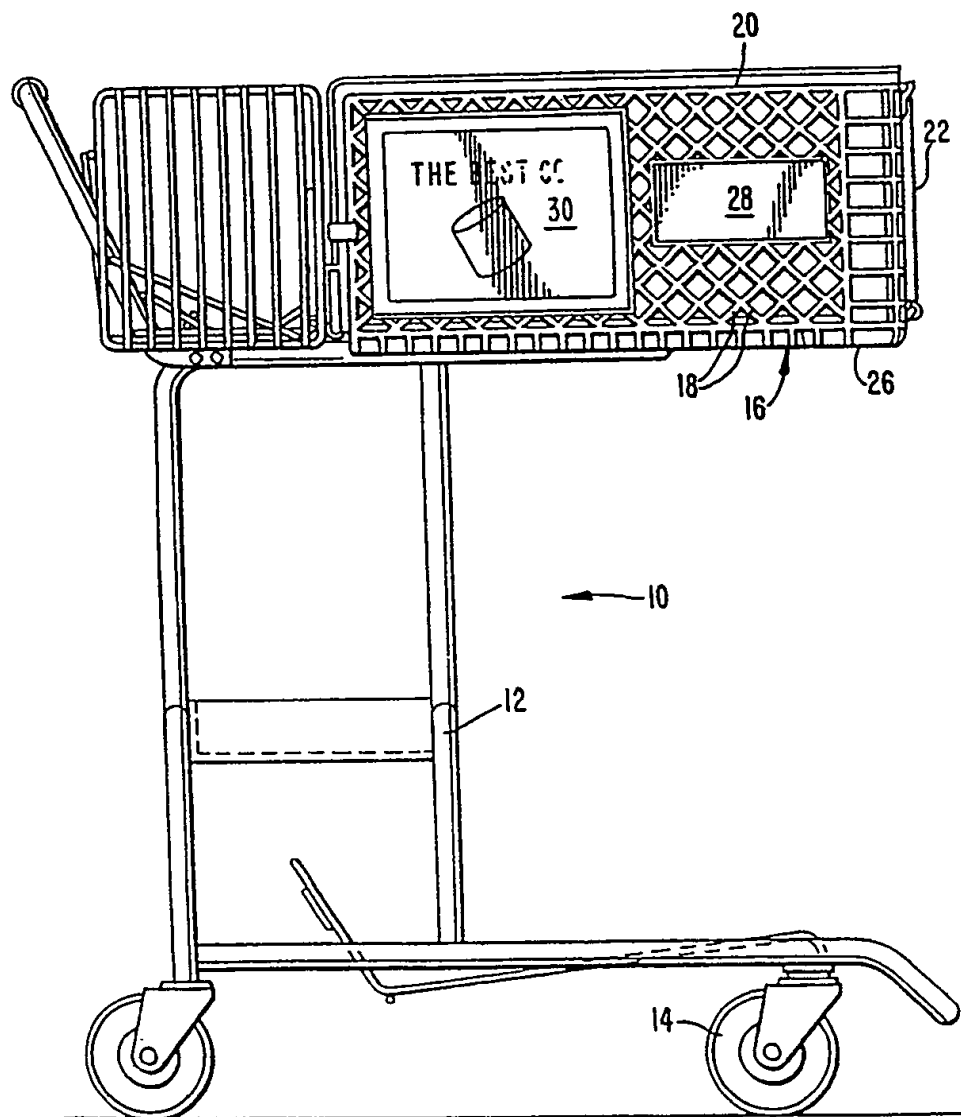




FIG. 23





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	FR-A-2 556 117 (ATELIERS REUNIS) * Claims 1-5; page 6, line 1 - page 7, line 25; figures 6-9 *	1-4	G 09 F 23/06 B 62 B 3/10
A	---	5-7	
A	DE-U-8 708 835 (ESSELTE METO INT. GmbH) * Claim 1; page 7, last paragraph - page 8, paragraph 1; figures 1,3-4 *	8,14	
A	---		
A	EP-A-0 176 168 (H. REHRIG) * Claim 1; page 8, line 21 - page 9, line 7; figure 1 *	17,18, 22,30	
A	---		
A	US-A-4 376 502 (M. COHEN) * Abstract; column 5, lines 10-43; column 7, line 55 - column 8, line 16; figures 1,3a *	17-18	

The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			G 09 F B 62 B
Place of search		Date of completion of the search	Examiner
THE HAGUE		13-06-1989	FRANSEN L.J.L.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			